abcepta

PSMC6 Antibody (monoclonal) (M02)
Mouse monoclonal antibody raised against a partial recombinant PSMC6.
Catalog # AT3467a

Specification

PSMC6 Antibody (monoclonal) (M02) - Product Information

Application	**WB, IF**
Primary Accession	P62333
Other Accession	BC005390
Reactivity	**Human, Mouse, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**44173**

PSMC6 Antibody (monoclonal) (M02) - Additional Information

Gene ID 5706

Other Names
26S protease regulatory subunit 10B, 26S proteasome AAA-ATPase subunit RPT4, Proteasome 26S subunit ATPase 6, Proteasome subunit p42, PSMC6, SUG2

Target/Specificity
PSMC6 (AAH05390, 290 a.a. ~ 389 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IF~~1:50~200

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
PSMC6 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.
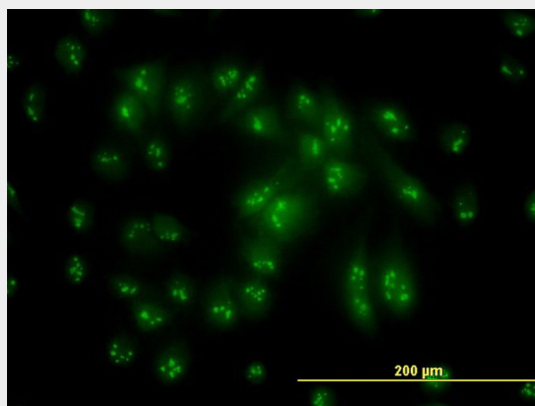
PSMC6 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
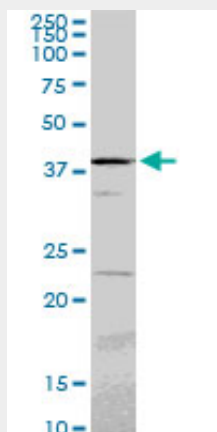- Immunoprecipitation
- Flow Cytomety
- Cell Culture
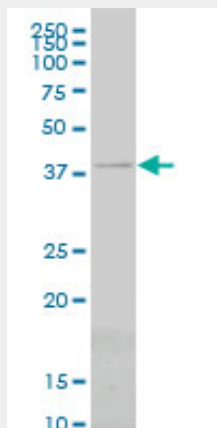
PSMC6 Antibody (monoclonal) (M02) - Images

Immunofluorescence of monoclonal antibody to PSMC6 on HeLa cell. [antibody concentration 10 ug/ml]
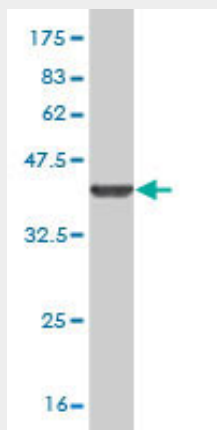
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .

PSMC6 monoclonal antibody (M02), clone 2C4. Western Blot analysis of PSMC6 expression in PC-12((Cat # AT3467a)

PSMC6 monoclonal antibody (M02), clone 2C4 Western Blot analysis of PSMC6 expression in Hela S3 NE ((Cat # AT3467a)
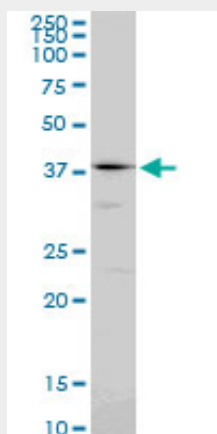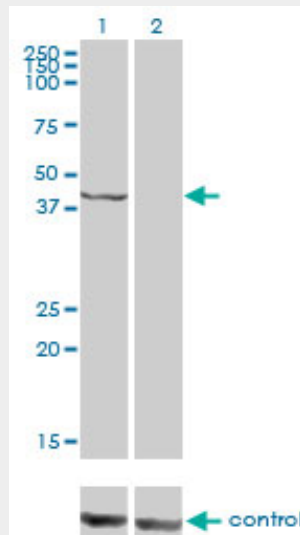

PSMC6 monoclonal antibody (M02), clone 2C4. Western Blot analysis of PSMC6 expression in NIH/3T3((Cat # AT3467a)
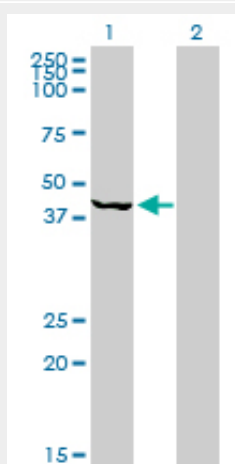
Western Blot analysis of PSMC6 expression in transfected 293T cell line by PSMC6 monoclonal antibody (M02), clone 2C4.

Lane 1: PSMC6 transfected lysate(44.2 KDa).
Lane 2: Non-transfected lysate.

Detection limit for recombinant GST tagged PSMC6 is approximately 30ng/ml as a capture antibody.

PSMC6 Antibody (monoclonal) (M02) - Background

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. Pseudogenes have been identified on chromosomes 8 and 12.

PSMC6 Antibody (monoclonal) (M02) - References

Interactions of SARS coronavirus nucleocapsid protein with the host cell proteasome subunit p42. Wang Q, et al. Virol J, 2010 May 17. PMID 20478047.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Assembly pathway of the Mammalian proteasome base subcomplex is mediated by multiple specific chaperones. Kaneko T, et al. Cell, 2009 May 29. PMID 19490896.Chaperone-mediated pathway of proteasome regulatory particle assembly. Roelofs J, et al. Nature, 2009 Jun 11. PMID 19412159.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.